Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/12/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124663	-1	3.28	124617	3.28
Blue	F	SSC	125000	124955	-1	5.17	125328	5.08
Blue	E	FITC	14400	13918	-4	3.68	321	16.33
Blue	D	PE	24713	24342	-2	3.30	556	11.32
Blue	B	PerCP-Cy5-5	31796	31184	-2	4.35	1030	15.27
Blue	A	PE-Cy7	21240	21420	0	6.26	577	29.80
Red	C	APC	41319	40525	-2	3.65	1700	11.45
Red	A	APC-Cy7	21019	20580	-3	4.00	773	11.90
Violet	B	V450	7305	7035	-4	4.68	440	12.78
Violet	A	V500	28652	27450	-5	4.35	690	10.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23137	3.46	571	2	N/A	N/A	Pass
Blue	F	SSC	57862	3.79	522	10	N/A	N/A	Pass
Blue	E	FITC	58	54.24	495	4	0.0357	10	Pass
Blue	D	PE	117	37.51	493	6	0.3899	301	Pass
Blue	B	PerCP-Cy5-5	191	36.24	590	6	0.0184	29	Pass
Blue	A	PE-Cy7	114	67.72	638	8	0.0208	0	Pass
Red	C	APC	391	23.50	575	2	0.0285	149	Pass
Red	A	APC-Cy7	174	27.42	545	0	0.0062	996	Pass
Violet	B	V450	61	62.43	453	-3	0.0594	2295	Pass
Violet	A	V500	99	32.23	466	-4	0.0248	499	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.09	-31.70	1.08
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	21.39	15.99 - 23.99	N/A	N/A	30.01	30.30	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10329

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments